==========

Sequence Listing could not be accepted due to errors.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2008; month=12; day=2; hr=15; min=8; sec=42; ms=429;]

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****

Reviewer Comments:
<210> 1
<211> 2827
<212> RNA
<213> Homo sapien

<400> 1
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cgaggagctt tccagaatct gttccagagc gtccgcgaag tgatccagaa cccgggcccc 120
aggcacccag aggccgcgag cgcagcacct cccggcgcca gtttgctgct gctgcagcag 180

Since the above <212> response is "RNA," no t's are allowed. For a combined DNA/RNA sequence, use "<212> DNA" and explain in the <220>-<223> section that it is a combined DNA/RNA sequence.

Please change the above <213> response to "Homo sapiens" (same in Sequence 2).

****

Validated By CRFValidator v 1.0.3

Application No: 10580285 Version No: 2.0

Input Set:

Output Set:

Started: 2008-11-29 06:04:13.033
Finished: 2008-11-29 06:04:15.258
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 225 ms
Total Warnings: 2
Total Errors: 563
No. of SeqIDs Defined: 3
Actual SeqID Count: 3

Error code		Error Description
W	402	Undefined organism found in <213> in SEQ ID (1)
E	256	't' found in RNA; POS (5) SEQID(1)
E	256	't' found in RNA; POS (11) SEQID(1)
E	256	't' found in RNA; POS (16) SEQID(1)
E	256	't' found in RNA; POS (17) SEQID(1)
E	256	't' found in RNA; POS (23) SEQID(1)
E	256	't' found in RNA; POS (32) SEQID(1)
E	256	't' found in RNA; POS (34) SEQID(1)
E	256	't' found in RNA; POS (39) SEQID(1)
E	256	't' found in RNA; POS (49) SEQID(1)
E	256	't' found in RNA; POS (58) SEQID(1)
E	256	't' found in RNA; POS (69) SEQID(1)
E	256	't' found in RNA; POS (70) SEQID(1)
E	256	't' found in RNA; POS (71) SEQID(1)
E	256	't' found in RNA; POS (78) SEQID(1)
E	256	't' found in RNA; POS (80) SEQID(1)
E	256	't' found in RNA; POS (82) SEQID(1)
E	256	't' found in RNA; POS (83) SEQID(1)
E	256	't' found in RNA; POS (92) SEQID(1)
E	256	't' found in RNA; POS (101) SEQID(1)

Input Set:

Output Set:

Started: 2008-11-29 06:04:13.033
Finished: 2008-11-29 06:04:15.258
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 225 ms
Total Warnings: 2
Total Errors: 563
No. of SeqIDs Defined: 3
Actual SeqID Count: 3

Error code	Error Description
E 256	't' found in RNA; POS (104) SEQID(1) This error has occured more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (2)

<210> 1
<211> 2827
<212> RNA
<213> Homo sapien

<400> 1
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aggcacccag aggccgcgag cgcagcacct cccggcgcca gtttgctgct gctgcagcag 180
cagcagcagc agcagcagca gcagcagcag cagcagcagc aagagactag ccccaggcag 240
cagcagcagc agcagggtga ggatggttct ccccaagccc atcgtagagg ccccacaggc 300
tacctggtcc tggatgagga acagcaacct tcacagccgc agtcggccct ggagtgccac 360
cccgagagag gttgcgtccc agagcctgga gccgccgtgg ccgccagcaa ggggctgccg 420
cagcagctgc cagcacctcc ggacgaggat gactcagctg ccccatccac gttgtccctg 480
ctgggcccca ctttccccgg cttaagcagc tgctccgctg accttaaaga catcctgagc 540
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ggaattt 2827

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<211> 906

<212> PRT
<213> Homo sapien

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Val Ile Gln Asn Pro Gly Pro Arg His Pro Glu Ala Ala Ser Ala Ala
        35   40   45
Pro Pro Gly Ala Ser Leu Leu Leu Leu Gln Gln Gln Gln Gln Gln Gln
    50   55   60
Gln Gln Gln Gln Gln Gln Gln Gln Gln Glu Thr Ser Pro Arg Gln Gln
65   70   75   80
Gln Gln Gln Gln Gly Glu Asp Gly Ser Pro Gln Ala His Arg Arg Gly
                85   90   95
Pro Thr Gly Tyr Leu Val Leu Asp Glu Glu Gln Gln Pro Ser Gln Pro
            100   105   110
Gln Ser Ala Leu Glu Cys His Pro Glu Arg Gly Cys Val Pro Glu Pro
        115   120   125
Gly Ala Ala Val Ala Ala Ser Lys Gly Leu Pro Gln Gln Leu Pro Ala
    130   135   140
Pro Pro Asp Glu Asp Asp Ser Ala Ala Pro Ser Thr Leu Ser Leu Leu
145   150   155   160
Gly Pro Thr Phe Pro Gly Leu Ser Ser Cys Ser Ala Asp Leu Lys Asp
                165   170   175
Ile Leu Ser Glu Ala Ser Thr Met Gln Leu Leu Gln Gln Gln Gln Gln
            180   185   190
Glu Ala Val Ser Glu Gly Ser Ser Ser Gly Arg Ala Arg Glu Ala Ser
        195   200   205
Gly Ala Pro Thr Ser Ser Lys Asp Asn Tyr Leu Gly Gly Thr Ser Thr
    210   215   220
Ile Ser Asp Asn Ala Lys Glu Leu Cys Lys Ala Val Ser Val Ser Met
225   230   235   240
Gly Leu Gly Val Glu Ala Leu Glu His Leu Ser Pro Gly Glu Gln Leu
                245   250   255
Arg Gly Asp Cys Met Tyr Ala Pro Leu Leu Gly Val Pro Pro Ala Val
            260   265   270
Arg Pro Thr Pro Cys Ala Pro Leu Ala Glu Cys Lys Gly Ser Leu Leu
        275   280   285
Asp Asp Ser Ala Gly Lys Ser Thr Glu Asp Thr Ala Glu Tyr Ser Pro
    290   295   300
Phe Lys Gly Gly Tyr Thr Lys Gly Leu Glu Gly Glu Ser Leu Gly Cys
305   310   315   320
Ser Gly Ser Ala Ala Ala Gly Ser Ser Gly Thr Leu Glu Leu Pro Ser
                325   330   335
Thr Leu Ser Leu Tyr Lys Ser Gly Ala Leu Asp Glu Ala Ala Ala Tyr
            340   345   350
Gln Ser Arg Asp Tyr Tyr Asn Phe Pro Leu Ala Leu Ala Gly Pro Pro
        355   360   365
Pro Pro Pro Pro Pro Pro His Pro His Ala Arg Ile Lys Leu Glu Asn
    370   375   380
Pro Leu Asp Tyr Gly Ser Ala Trp Ala Ala Ala Ala Ala Gln Cys Arg
385   390   395   400
Tyr Gly Asp Leu Ala Ser Leu His Gly Ala Gly Ala Ala Gly Pro Gly
                405   410   415
Ser Gly Ser Pro Ser Ala Ala Ala Ser Ser Ser Trp His Thr Leu Phe

```
            420                 425                 430
Thr Ala Glu Glu Gly Gln Leu Tyr Gly Pro Cys Gly Gly Gly Gly Gly
        435                 440                 445
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Glu Ala Gly Ala Val
    450                 455                 460
Ala Pro Tyr Gly Tyr Thr Arg Pro Pro Gln Gly Leu Ala Gly Gln Glu
465                 470                 475                 480
Ser Asp Phe Thr Ala Pro Asp Val Trp Tyr Pro Gly Gly Met Val Ser
                485                 490                 495
Arg Val Pro Tyr Pro Ser Pro Thr Cys Val Lys Ser Glu Met Gly Pro
            500                 505                 510
Trp Met Asp Ser Tyr Ser Gly Pro Tyr Gly Asp Met Arg Leu Glu Thr
        515                 520                 525
Ala Arg Asp His Val Leu Pro Ile Asp Tyr Tyr Phe Pro Pro Gln Lys
    530                 535                 540
Thr Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala
545                 550                 555                 560
Leu Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly
                565                 570                 575
Lys Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys
            580                 585                 590
Phe Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu
        595                 600                 605
Ala Gly Met Thr Leu Gly Ala Arg Lys Leu Lys Lys Leu Gly Asn Leu
    610                 615                 620
Lys Leu Gln Glu Glu Gly Glu Ala Ser Ser Thr Thr Ser Pro Thr Glu
625                 630                 635                 640
Glu Thr Thr Gln Lys Leu Thr Val Ser His Ile Glu Gly Tyr Glu Cys
                645                 650                 655
Gln Pro Ile Phe Leu Asn Val Leu Glu Ala Ile Glu Pro Gly Val Val
            660                 665                 670
Cys Ala Gly His Asp Asn Asn Gln Pro Asp Ser Phe Ala Ala Leu Leu
        675                 680                 685
Ser Ser Leu Asn Glu Leu Gly Glu Arg Gln Leu Val His Val Val Lys
    690                 695                 700
Trp Ala Lys Ala Leu Pro Gly Leu Arg Asn Leu His Val Asp Asp Gln
705                 710                 715                 720
Met Ala Val Ile Gln Tyr Ser Trp Met Gly Leu Met Val Phe Ala Met
                725                 730                 735
Gly Trp Arg Ser Phe Thr Asn Val Asn Ser Arg Met Leu Tyr Phe Ala
            740                 745                 750
Pro Asp Leu Val Phe Asn Glu Tyr Arg Met His Lys Ser Arg Met Tyr
        755                 760                 765
Ser Gln Cys Val Arg Met Arg His Leu Ser Gln Glu Phe Gly Trp Leu
    770                 775                 780
Gln Ile Thr Pro Gln Glu Phe Leu Cys Met Lys Ala Met Leu Leu Phe
785                 790                 795                 800
Ser Ile Ile Pro Val Asp Gly Leu Lys Asn Gln Lys Phe Phe Asp Glu
                805                 810                 815
Leu Arg Met Asn Tyr Ile Lys Glu Leu Asp Arg Ile Ile Ala Cys Lys
            820                 825                 830
Arg Lys Asn Pro Thr Ser Cys Ser Arg Arg Phe Tyr Gln Leu Thr Lys
        835                 840                 845
Leu Leu Asp Ser Val His Pro Ile Ala Arg Glu Leu His Gln Phe Thr
    850                 855                 860
Phe Asp Leu Leu Ile Lys Ser His Met Val Ser Val Asp Phe Pro Glu
865                 870                 875                 880
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Lys Val Lys Pro Ile Tyr Phe His Thr Gln
            900                 905
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<210> 3
<211> 895
<212> PRT
<213> Macaca mulatta

<400> 3

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Met Glu Val Gln Leu Gly Leu Gly Arg Val Tyr Pro Arg Pro Pro Ser
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Lys Thr Tyr Arg Gly Ala Phe Gln Asn Leu Phe Gln Ser Val Arg Glu
            20                  25                  30
Val Ile Gln Asn Pro Gly Pro Arg His Pro Glu Ala Ala Ser Ala Ala
        35                  40                  45
Pro Pro Gly Ala Ser Leu Gln Gln Gln Gln Gln Gln Gln Gln Glu Thr
    50                  55                  60
Ser Pro Arg Gln Gln Gln Gln Gln Gln Gln Gly Glu Asp Gly Ser Pro
65                  70                  75                  80
Gln Ala His Arg Arg Gly Pro Thr Gly Tyr Leu Val Leu Asp Glu Glu
                85                  90                  95
Gln Gln Pro Ser Gln Pro Gln Ser Ala Pro Glu Cys His Pro Glu Arg
            100                 105                 110
Gly Cys Val Pro Glu Pro Gly Ala Ala Val Ala Ala Gly Lys Gly Leu
        115                 120                 125
Pro Gln Gln Leu Pro Ala Pro Pro Asp Glu Asp Asp Ser Ala Ala Pro
    130                 135                 140
Ser Thr Leu Ser Leu Leu Gly Pro Thr Phe Pro Gly Leu Ser Ser Cys
145                 150                 155                 160
Ser Ala Asp Leu Lys Asp Ile Leu Ser Glu Ala Ser Thr Met Gln Leu
                165                 170                 175
Leu Gln Gln Gln Gln Gln Glu Ala Val Ser Glu Gly Ser Ser Ser Gly
            180                 185                 190
Arg Ala Arg Glu Ala Ser Gly Ala Pro Thr Ser Ser Lys Asp Asn Tyr
        195                 200                 205
Leu Glu Gly Thr Ser Thr Ile Ser Asp Ser Ala Lys Glu Leu Cys Lys
    210                 215                 220
Ala Val Ser Val Ser Met Gly Leu Gly Val Glu Ala Leu Glu His Leu
225                 230                 235                 240
Ser Pro Gly Glu Gln Leu Arg Gly Asp Cys Met Tyr Ala Pro Val Leu
                245                 250                 255
Gly Val Pro Pro Ala Val Arg Pro Thr Pro Cys Ala Pro Leu Ala Glu
            260                 265                 270
Cys Lys Gly Ser Leu Leu Asp Asp Ser Ala Gly Lys Ser Thr Glu Asp
        275                 280                 285
Thr Ala Glu Tyr Ser Pro Phe Lys Gly Gly Tyr Thr Lys Gly Leu Glu
    290                 295                 300
Gly Glu Ser Leu Gly Cys Ser Gly Ser Ala Ala Ala Gly Ser Ser Gly
305                 310                 315                 320
Thr Leu Glu Leu Pro Ser Thr Leu Ser Leu Tyr Lys Ser Gly Ala Leu
                325                 330                 335
Asp Glu Ala Ala Ala Tyr Gln Ser Arg Asp Tyr Tyr Asn Phe Pro Leu
            340                 345                 350
Ala Leu Ala Gly Pro Pro Pro Pro Pro Pro Pro Pro His Pro His Ala
```

```
        355                 360                 365
Arg Ile Lys Leu Glu Asn Pro Leu Asp Tyr Gly Ser Ala Trp Ala Ala
    370                 375                 380
Ala Ala Ala Gln Cys Arg Tyr Gly Asp Leu Ala Ser Leu His Gly Ala
385                 390                 395                 400
Gly Ala Ala Gly Pro Gly Ser Gly Ser Pro Ser Ala Ala Ala Ser Ser
                405                 410                 415
Ser Trp His Thr Leu Phe Thr Ala Glu Glu Gly Gln Leu Tyr Gly Pro
            420                 425                 430
Cys Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Gly
        435                 440                 445
Glu Ala Gly Ala Val Ala Pro Tyr Gly Tyr Thr Arg Pro Pro Gln Gly
    450                 455                 460
Leu Ala Gly Gln Glu Gly Asp Phe Thr Ala Pro Asp Val Trp Tyr Pro
465                 470                 475                 480
Gly Gly Met Val Ser Arg Val Pro Tyr Pro Ser Pro Thr Cys Val Lys
                485                 490                 495
Ser Glu Met Gly Pro Trp Met Asp Ser Tyr Ser Gly Pro Tyr Gly Asp
            500                 505                 510
Met Arg Leu Glu Thr Ala Arg Asp His Val Leu Pro Ile Asp Tyr Tyr
        515                 520                 525
Phe Pro Pro Gln Lys Thr Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly
    530                 535                 540
Cys His Tyr Gly Ala Leu Thr Cys Gly Ser Cys Lys Val Phe Phe Lys
545                 550                 555                 560
Arg Ala Ala Glu Gly Lys Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp
                565                 570                 575
Cys Thr Ile Asp Lys Phe Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu
            580                 585                 590
Arg Lys Cys Tyr Glu Ala Gly Met Thr Leu Gly Ala Arg Lys Leu Lys
        595                 600                 605
Lys Leu Gly Asn Leu Lys Leu Gln Glu Glu Gly Glu Ala Ser Ser Thr
    610                 615                 620
Thr Ser Pro Thr Glu Glu Thr Ala Gln Lys Leu Thr Val Ser His Ile
625                 630                 635                 640
Glu Gly Tyr Glu Cys Gln Pro Ile Phe Leu Asn Val Leu Glu Ala Ile
                645                 650                 655
Glu Pro Gly Val Val Cys Ala Gly His Asp Asn Asn Gln Pro Asp Ser
            660                 665                 670
Phe Ala Ala Leu Leu Ser Ser Leu Asn Glu Leu Gly Glu Arg Gln Leu
        675                 680                 685
Val His Val Val Lys Trp Ala Lys Ala Leu Pro Gly Phe Arg Asn Leu
    690                 695                 700
His Val Asp Asp Gln Met Ala Val Ile Gln Tyr Ser Trp Met Gly Leu
705                 710                 715                 720
Met Val Phe Ala Met Gly Trp Arg Ser Phe Thr Asn Val Asn Ser Arg
                725                 730                 735
Met Leu Tyr Phe Ala Pro Asp Leu Val Phe Asn Glu Tyr Arg Met His
            740                 745                 750
Lys Ser Arg Met Tyr Ser Gln Cys Val Arg Met Arg His Leu Ser Gln
        755                 760                 765
Glu Phe Gly Trp Leu Gln Ile Thr Pro Gln Glu Phe Leu Cys Met Lys
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